

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/537,142  
Source: 1 FWP  
Date Processed by STIC: 8/2/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/537,142

TIME: 09:02:36

Input Set : A:\Nov05.txt

Output Set: N:\CRF4\08022006\J537142.raw

```

3 <110> APPLICANT: ARES TRADING S.A.
5 <120> TITLE OF INVENTION: SPLICE VARIANT
7 <130> FILE REFERENCE: P032575WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/537,142
C--> 10 <141> CURRENT FILING DATE: 2005-06-02
12 <150> PRIOR APPLICATION NUMBER: GB 0228441.2
13 <151> PRIOR FILING DATE: 2002-12-05
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: SeqWin99, version 1.02
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 181
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 ggctcccgga cgtccctgct cctggctttt ggctgctct gctgcccctg gcttcaagag      60
26 ggcagtgcct tcccaaccat tcccttatcc aggttttttg acaacgctat gctccgcgcc      120
27 catcgtctgc accagctggc ctttgacacc taccaggagt ttgtaagctc ttggggaatg      180
28 g                                                                                   181
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 61
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 2
36 Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro
37 1          5          10          15
39 Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu Ser Arg Leu
40          20          25          30
42 Phe Asp Asn Ala Met Leu Arg Ala His Arg Leu His Gln Leu Ala Phe
43          35          40          45
45 Asp Thr Tyr Gln Glu Phe Val Ser Ser Trp Gly Met Glu
46          50          55          60
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 47
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 3
54 agtctattcc gacaccctcc aacagggagg aaacacaaca gaaatcc      47
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 15
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
61 <400> SEQUENCE: 4
62 Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser

```

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```

63 1          5          10          15
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 228
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 5
71 ggctcccgga cgtccctgct cctggctttt ggctgctct gctgcccctg gcttcaagag 60
72 ggcagtgcct tcccaaccat tcccttatcc aggccttttg acaacgctat gctccgcgcc 120
73 catcgtctgc accagctggc ctttgacacc taccaggagt ttgtaagctc ttggggaatg 180
74 gagtctattc cgacaccctc caacaggagg gaaacacaac agaaatcc 228
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 76
78 <212> TYPE: PRT
79 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 6
82 Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu Cys Leu Pro
83 1          5          10          15
85 Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu Ser Arg Leu
86          20          25          30
88 Phe Asp Asn Ala Met Leu Arg Ala His Arg Leu His Gln Leu Ala Phe
89          35          40          45
91 Asp Thr Tyr Gln Glu Phe Val Ser Ser Trp Gly Met Glu Ser Ile Pro
92          50          55          60
94 Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser
95 65          70          75
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 600
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 7
103 atggctacag gctcccggac gtccttgcct ctggcttttg gctgctctg cctgcccctgg 60
104 cttcaagagg gcagtgcctt cccaaccatt cccttatcca ggctttttga caacgctatg 120
105 ctccgcgccc atcgtctgca ccagctggcc ttgacacct accaggagt tgaagctct 180
106 tggggaatgg agtctattcc gacacctcc aacaggagg aaacacaaca gaaatccaac 240
107 ctagagctgc tccgcatctc cctgctgctc atccagtcgt ggctggagcc cgtgcagttc 300
108 ctcaggagtg tcttcgcaa cagcctggtg tacggcgct ctgacagcaa cgtctatgac 360
109 ctctaaagg acctagagga aggcattcaa acgctgatgg ggaggctgga agatggcagc 420
110 ccccgactg ggcagatctt caagcagacc tacagcaagt tcgacacaaa ctacacaaac 480
111 gatgacgcac tactcaagaa ctacgggctg ctctactgct tcaggaagga catggacaag 540
112 gtcgagacat tctgcgcat cgtgcagtgc cgctctgtgg agggcagctg tggcttctag 600
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 199
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 8
120 Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu
121 1          5          10          15
123 Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile Pro Leu
124          20          25          30

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```

126 Ser Arg Leu Phe Asp Asn Ala Met Leu Arg Ala His Arg Leu His Gln
127      35      40      45
129 Leu Ala Phe Asp Thr Tyr Gln Glu Phe Val Ser Ser Trp Gly Met Glu
130      50      55      60
132 Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn
133 65      70      75      80
135 Leu Glu Leu Leu Arg Ile Ser Leu Leu Leu Ile Gln Ser Trp Leu Glu
136      85      90      95
138 Pro Val Gln Phe Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly
139      100      105      110
141 Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Glu Gly
142      115      120      125
144 Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly
145      130      135      140
147 Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn
148 145      150      155      160
150 Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys
151      165      170      175
153 Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser
154      180      185      190
156 Val Glu Gly Ser Cys Gly Phe
157      195
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 522
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 9
165 ttcccaacca ttcccttata caggcttttt gacaacgcta tgctccgcgc ccatcgtctg 60
166 caccagctgg cttttgacac ctaccaggag tttgtaagct cttggggaat ggagtctatt 120
167 ccgacaccct ccaacagga gaaacacaa cagaaatcca acctagagct gtcctgcac 180
168 tccctgctgc tcatccagtc gtggctggag cccgtgcagt tcttcaggag tgtcttcgcc 240
169 aacagcctgg tgtacggcgc ctctgacagc aacgtctatg acctcctaaa ggacctagag 300
170 gaaggcatcc aaacgtgat ggggaggctg gaagatggca gccccggac tgggcagatc 360
171 ttcaagcaga cctacagcaa gttcgacaca aactcacaca acgatgacgc actactcaag 420
172 aactacgggc tgctctactg cttcaggaag gacatggaca aggtcgagac attcctgcgc 480
173 atcgtgcagt gccgctctgt ggagggcagc tgtggcttct ag 522
175 <210> SEQ ID NO: 10
176 <211> LENGTH: 173
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 10
181 Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu Arg
182 1      5      10      15
184 Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe Val
185      20      25      30
187 Ser Ser Trp Gly Met Glu Ser Ile Pro Thr Pro Ser Asn Arg Glu Glu
188      35      40      45
190 Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser Leu Leu Leu
191      50      55      60

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```

193 Ile Gln Ser Trp Leu Glu Pro Val Gln Phe Leu Arg Ser Val Phe Ala
194 65                      70                      75                      80
196 Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser Asn Val Tyr Asp Leu Leu
197                      85                      90                      95
199 Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp
200                      100                      105                      110
202 Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe
203                      115                      120                      125
205 Asp Thr Asn Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu
206                      130                      135                      140
208 Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg
209 145                      150                      155                      160
211 Ile Val Gln Cys Arg Ser Val Glu Gly Ser Cys Gly Phe
212                      165                      170
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 37
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Primer GCP Forward
222 <400> SEQUENCE: 11
223 ggggacaagt ttgtacaaaa aagcaggctt cgccacc
225 <210> SEQ ID NO: 12
226 <211> LENGTH: 51
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Primer GCP Reverse
233 <400> SEQUENCE: 12
234 ggggaccact ttgtacaaga aagctggggt tcaatggtga tggatgatggt g
236 <210> SEQ ID NO: 13
237 <211> LENGTH: 40
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Primer INSP101-B1P-5'-F
244 <400> SEQUENCE: 13
245 gcaggcttcg ccaccatggc tacaggctcc cggacgtccc
247 <210> SEQ ID NO: 14
248 <211> LENGTH: 50
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Primer INSP101-5'-R
255 <400> SEQUENCE: 14
256 tagactccat tccccaagag cttacaaact cctggtaggt gtcaaaggcc
258 <210> SEQ ID NO: 15
259 <211> LENGTH: 51
260 <212> TYPE: DNA

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261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Primer INSP101-3'-F
266 <400> SEQUENCE: 15
267 aggagtttgt aagctcttgg ggaatggagt ctattccgac accctccaac a      51
269 <210> SEQ ID NO: 16
270 <211> LENGTH: 39
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Primer INSP101-3'-R
277 <400> SEQUENCE: 16
278 gtgatggtga tggtagtaga agccacagct gccctccac      39
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 36
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer INSP101-mut-F
288 <400> SEQUENCE: 17
289 gggcagctgt ggcttcacc atcaccatca ccattg      36
291 <210> SEQ ID NO: 18
292 <211> LENGTH: 37
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Primer INSP101-mut-R
299 <400> SEQUENCE: 18
300 aatggtgatg gtgatggtgg aagccacagc tgccctc      37
302 <210> SEQ ID NO: 19
303 <211> LENGTH: 20
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Primer pEAK12-F
310 <400> SEQUENCE: 19
311 gccagcttgg cacttgatgt      20
313 <210> SEQ ID NO: 20
314 <211> LENGTH: 20
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Primer pEAK12-R
321 <400> SEQUENCE: 20
322 gatggaggtg gacgtgtcag      20
324 <210> SEQ ID NO: 21
325 <211> LENGTH: 18
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/537,142

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Input Set : A:\Nov05.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date